

**CHEMICAL ANALYZER PROBE**  
**WITH CHEMICAL SELECTIVE FILTER**  
ABSTRACT OF THE DISCLOSURE

5           A chemical analyzer probe includes a gland  
extending from a tubular end to a second gland end  
connectable to a chemical analyzer. The gland has a  
sealing surface that seals to the opening. A porous  
tubular filter is joined to the tubular end of the  
10 gland and forms a filter cavity holding a filter  
fluid. A coating on the porous tubular filter is  
formed of a chemically selective material that allows  
a first chemical in the process fluid to flow into  
the filter fluid, while excluding a second chemical  
15 in the process fluid. A sensor couples to the filter  
fluid for sensing and connectable to a chemical  
analyzer through the second gland end.